

## Amended claims

## 1. The use of polymers comprising

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(a) from 20 to 95% by weight of at least one thermoplastic polymer selected from the group consisting of polyethylene, polyoxymethylene, polypropylene, polyvinyl chloride and polymethacrylate

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(b) from 80 to 5% by weight of a mixture of at least two substances selected from the group consisting of crosslinked polyvinylpyrrolidone,  $TiO_2$ ,  $KHCO_3$ ,  $NaHCO_3$ ,  $CaCO_3$ , silica gel, kieselguhr, diatomaceous earth, and bentonite

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as filter aids and/or stabilizers for filtering and/or stabilizing an aqueous liquid.

20 2. The use of polymers according to claim 1, wherein the component b) used is a mixture of crosslinked polyvinylpyrrolidone and silica gel.

25 3. The use of polymers according to claim 3, wherein the polymer is a powder having a particle size between 2 to 200  $\mu m$ .

4. The process according to claim 1, wherein the powder particles are not spheroidal.

30 5. The use of polymers as claimed in claim 1, wherein, in addition to the filtration, stabilization of the aqueous liquid takes place simultaneously.

35 6. A process for filtering and/or stabilizing an aqueous liquid, which comprises using as filter aid or stabilizer a polymer comprising

40 (a) from 20 to 95% by weight of at least one thermoplastic polymer selected from the group consisting of polyethylene, polyoxymethylene, polypropylene, polyvinyl chloride and polymethacrylate

45 (b) from 80 to 5% by weight of a mixture of at least two substances selected from the group consisting of crosslinked polyvinylpyrrolidone,  $TiO_2$ ,  $KHCO_3$ ,  $NaHCO_3$ ,

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CaCO<sub>3</sub>, silica gel, kieselguhr, diatomaceous earth, and bentonite.

7. A process as claimed in claim 6, wherein, in addition to the  
5 filtration, simultaneous stabilization of the medium to be  
filtered takes place.

8. A process as claimed in either of claims 6 and 7, wherein,  
10 during the filtration, the precoat filtration technique is  
used.

9. The process as claimed in one of claims 6 to 8, wherein the  
aqueous liquid is a liquid selected from the group consisting  
of fruit juice drinks or fermented beverages.  
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10. A process as claimed in one of claims 6 to 9, wherein the  
aqueous liquid is beer.

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Use of polymers comprising thermoplastic polymers as filter aids and/or stabilizers

5 Abstract

A description is given of the use of polymers comprising thermoplastic polymers as filter aids and/or stabilizers for filtering or stabilizing aqueous liquids.

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